

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NEW ASSIGNMENT                       |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------|--------------------------------------|---------------------|--------------------------------------|----------------------------------|----------------|----------------------|---------------------|---------------------------------|------------|------------------------|------------|-------------|------------|---------------------------|------------|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ASSIGNMENT                           |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| CONVEYING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chiranjeevi THOTA</td> <td>02/06/2012</td> </tr> <tr> <td>Dattatraya Tammannashastri GOKAK</td> <td>02/06/2012</td> </tr> <tr> <td>Ravikumar VOOLAPALLI</td> <td>02/06/2012</td> </tr> <tr> <td>Nettam Venkateshwaralu CHOUDARY</td> <td>02/06/2012</td> </tr> <tr> <td>Mohammad Amir SIDDIQUI</td> <td>02/06/2012</td> </tr> <tr> <td>Rajan BOSCO</td> <td>02/06/2012</td> </tr> <tr> <td>Raghunath Prasad MEHROTRA</td> <td>02/06/2012</td> </tr> </tbody> </table> |                                      | Name          | Execution Date                       | Chiranjeevi THOTA   | 02/06/2012                           | Dattatraya Tammannashastri GOKAK | 02/06/2012     | Ravikumar VOOLAPALLI | 02/06/2012          | Nettam Venkateshwaralu CHOUDARY | 02/06/2012 | Mohammad Amir SIDDIQUI | 02/06/2012 | Rajan BOSCO | 02/06/2012 | Raghunath Prasad MEHROTRA | 02/06/2012 |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Execution Date                       |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Chiranjeevi THOTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 02/06/2012                           |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Dattatraya Tammannashastri GOKAK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 02/06/2012                           |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Ravikumar VOOLAPALLI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 02/06/2012                           |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Nettam Venkateshwaralu CHOUDARY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 02/06/2012                           |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Mohammad Amir SIDDIQUI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 02/06/2012                           |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Rajan BOSCO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 02/06/2012                           |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Raghunath Prasad MEHROTRA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 02/06/2012                           |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| <table border="1"> <tr> <td>Name:</td> <td>BHARAT PETROLEUM CORPORATION LIMITED</td> </tr> <tr> <td>Street Address:</td> <td>Bharat Bhawan, 4 &amp; 6 Currimbhoy Road</td> </tr> <tr> <td>Internal Address:</td> <td>Ballard Estate</td> </tr> <tr> <td>City:</td> <td>Mumbai - 400 001</td> </tr> <tr> <td>State/Country:</td> <td>INDIA</td> </tr> </table>                                                                                                                                                                                                               |                                      | Name:         | BHARAT PETROLEUM CORPORATION LIMITED | Street Address:     | Bharat Bhawan, 4 & 6 Currimbhoy Road | Internal Address:                | Ballard Estate | City:                | Mumbai - 400 001    | State/Country:                  | INDIA      |                        |            |             |            |                           |            |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BHARAT PETROLEUM CORPORATION LIMITED |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Bharat Bhawan, 4 & 6 Currimbhoy Road |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Internal Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Ballard Estate                       |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Mumbai - 400 001                     |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | INDIA                                |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| <table border="1"> <tr> <td>Name:</td> <td>SUD-CHEMIE INDIA PTV. LTD.</td> </tr> <tr> <td>Street Address:</td> <td>4021403 Mansarovar</td> </tr> <tr> <td>Internal Address:</td> <td>90 Nehru Place</td> </tr> <tr> <td>City:</td> <td>New Delhi - 110 019</td> </tr> <tr> <td>State/Country:</td> <td>INDIA</td> </tr> </table>                                                                                                                                                                                                                                            |                                      | Name:         | SUD-CHEMIE INDIA PTV. LTD.           | Street Address:     | 4021403 Mansarovar                   | Internal Address:                | 90 Nehru Place | City:                | New Delhi - 110 019 | State/Country:                  | INDIA      |                        |            |             |            |                           |            |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SUD-CHEMIE INDIA PTV. LTD.           |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4021403 Mansarovar                   |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Internal Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 90 Nehru Place                       |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | New Delhi - 110 019                  |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | INDIA                                |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13322485</td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                   |                                      | Property Type | Number                               | Application Number: | 13322485                             |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Number                               |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 13322485                             |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Fax Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (212)246-8959                        |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Phone:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 212-708-1803                         |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |
| Email:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | gmarti@ladas.com                     |               |                                      |                     |                                      |                                  |                |                      |                     |                                 |            |                        |            |             |            |                           |            |

CH \$40.00 13322485

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

Correspondent Name: Geraldine Marti  
Address Line 1: Lads & Parry LLP  
Address Line 2: 1040 Avenue of the Americas  
Address Line 4: New York, NEW YORK 10018-3738

|                         |            |
|-------------------------|------------|
| ATTORNEY DOCKET NUMBER: | U 018530-5 |
|-------------------------|------------|

|                    |               |
|--------------------|---------------|
| NAME OF SUBMITTER: | Janet I. Cord |
|--------------------|---------------|

**Total Attachments: 7**

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For: ☐ U.S. and/or ☐ Foreign Rights  
For: ☒ U.S. Application or  
☐ U.S. Provisional Application  
For: ☐ U.S. Patent  
For: ☐ PCT Application  
By: Multiple Inventors

**ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS (Inventors):**

Chiranjeevi THOTA  
(type or print name of inventors)

C/O Corporate R&D Center

BHARAT PETROLEUM CORPORATION LIMITED

Plot 2A, Udyog Kendra, Surajpur, Greater Noida

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Nationality

Dattatraya Tammanashastri GOKAK

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Uttar Pradesh, Pin 201 306 INDIA

Address

Indian

Nationality

Added page(s) for signature by subsequent inventors. Number of pages added

1

## ADDED PAGE TO ASSIGNMENT FOR SIGNATURE BY SUBSEQUENT INVENTORS

## ASSIGNORS (Inventors):

Nettam Venkateshwarulu CHIOUDARY*(type or print name of inventors)*C/O Corporate R&D CenterBHARAT PETROLEUM CORPORATION LIMITEDPlot 2A, Udyog Kendra, Surajpur, Greater NoidaUttar Pradesh, Pin 201 306 INDIAAddressIndianNationalityMohammad Amir SIDDIQUI*(type or print name of inventors)*C/O Corporate R&D CenterBHARAT PETROLEUM CORPORATION LIMITEDPlot 2A, Udyog Kendra, Surajpur, Greater NoidaUttar Pradesh, Pin 201 306 INDIAAddressIndianNationalityRajan BOSCC*(type or print name of inventors)*C/O SUD - CHEMIE INDIA PTV. LTD.A - 1/2 Nandesari Industrial AreaNandesari - Vadodara, Pin 391 340Gujarat, INDIAAddressIndianNationalityRaghunath Prasad MENROYA*(type or print name of inventors)*C/O SUD - CHEMIE INDIA PTV. LTD.402/403 MansarovarNew Delhi 110019 INDIAAddressIndianNationality

(Assignment of Invention Multiple Inventors Added Page) 16-3.2a

(Assignment of Invention—Multiple Inventors—page 2 of 5) 16-3.2

(If assignment is by person or entity to whom invention was previously assigned  
and this was recorded in PTO, add the following)

Recorded on \_\_\_\_\_

Reel \_\_\_\_\_  
Frame \_\_\_\_\_

hereby sells, assigns and transfers to  
ASSIGNEE

(1)

**BHARAT PETROLEUM CORPORATION  
LIMITED**

(type or print name of ASSIGNEE)

Indian

Nationality

Bharat Bhawan, 4 & 6 Currimbhoy Road,

Address

Ballard Estate

Mumbai - 400 001, INDIA

and

(2)

**SUD-CHEMIE INDIA PVT. LTD.**

(type or print name of ASSIGNEE)

Indian

Nationality

4021403 Mansarovar,

Address

50 Nehru Place

New Delhi - 110 019, INDIA

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest  
☐ an undivided \_\_\_\_\_ percent (\_\_\_\_\_ %) right, title and interest  
for the United States and its territories, possessions

(check the following box, if foreign rights are also to be assigned)

☐ and in all foreign countries, including all rights to claim priority, in and to any and  
all improvements which are disclosed in the invention entitled:

**A CARBON MONOXIDE COMBUSTION CATALYST AND A PROCESS OF  
PREPARATION THEREOF**

Name of inventor(s)

Chitra N. BHOTA

Dattatraya. Ramannashastri GOKAK

Rev. J. V. GOOLAPALLI

Nataraj. Venkateshwarulu CHODURY

Muhammad Asif SIDDIQUI

Rajan BOBBO

Raghunath Prasad MEHROTRA

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is filed in 37 C.F.R. 3.21

- (a) ☐ I, the Assignor, hereby assign to the Assignee the right to the invention disclosed in the application executed on even date herewith
- (b) ☐ I, the Assignor, hereby assign to the Assignee the right to the invention disclosed in the application executed on
- (c) ☐ I, the Assignor, hereby assign to the Assignee the right to the invention disclosed in the application executed on
- (d) ☐ I, the Assignor, hereby assign to the Assignee the right to the invention disclosed in the application executed on
- (e) ☒ I, the Assignor, hereby assign to the Assignee the right to the invention disclosed in the application executed on
- (f) ☐ I, the Assignor, hereby assign to the Assignee the right to the invention disclosed in the application executed on
- (g) ☐ I, the Assignor, hereby assign to the Assignee the right to the invention disclosed in the application executed on

and, in and to the extent that the invention is disclosed for sale in the application or any continuation, division, amendment, or reissue, and as to letters patent any reissue or re-examination, in whole or in part.

ASSIGNOR hereby agrees that the Assignee shall have the right to make any assignment or will be made or shall be made by the Assignor, and as to letters patent any reissue or re-examination, in whole or in part.

ASSIGNOR hereby agrees that the Assignee shall have the right to make any assignment or will be made or shall be made by the Assignor, and as to letters patent any reissue or re-examination, in whole or in part.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 12th day of

WARNING: The Assignor must sign and date the date of execution of the application, if a new law was checked above.

Ch. Anjeest, etc.

(type name of Assignor)

Signature of ASSIGNOR

this (✓)

06.02.12

date of signing

Ch. Anjeest, etc.

(type name of Assignor)

Signature of ASSIGNOR

this (✓)

06.02.12

date of signing

Ch. Anjeest, etc.

(type name of Assignor)

Signature of ASSIGNOR

this (✓)

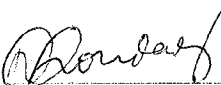
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date of signing

(Assignment of Invention—Multiple Inventors—page 4 of 5) 16-3.2

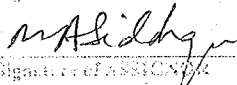
Notten Venkateswaraiah  
CHODURY

(Type name of Assignor)

(✓)   
Signature of ASSIGNOR

this (✓) 06.02.12  
date of signing

Mohammad Amir AREFIN  
(Type name of Assignor)

(✓)   
Signature of ASSIGNOR

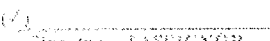
this (✓) 06.02.12  
date of signing

Rajna BOSIC  
(Type name of Assignor)

(✓)   
Signature of ASSIGNOR

this (✓)  
date of signing

Raghunath Prasad MANDOTA  
(Type name of Assignor)

(✓)   
Signature of ASSIGNOR

this (✓)  
date of signing

(Type name of Assignor)

Signature of ASSIGNOR

this  
date of signing

If Assignor is a legal entity, complete the following information:

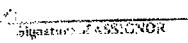
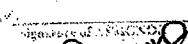
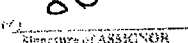
Type or print the name of the above person  
authorized to sign on behalf of ASSIGNOR

Title

NOTE:

Notarization or legalization is not required if the assignment is notarized or legalized  
then use of either printing the signature of execution 35 USC 261. Use next page if notarization is  
desired.

[ ] Notarization or Legalization Page Added.

|                                                                          |                                                                                   |                                             |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------|
| Nathan Venkatesh Choudhary<br><b>CHOUHARY</b><br>(Type name of Assignor) |  | this (✓) _____<br>date of signing           |
| Mohammed Ayub Ali<br>(Type name of Assignor)                             |  | this (✓) _____<br>date of signing           |
| Rajan B. Choudhary<br>(Type name of Assignor)                            |  | this (✓) <u>13-02-12</u><br>date of signing |
| Rajesh Choudhary<br>(Type name of Assignor)                              |  | this (✓) _____<br>date of signing           |
| _____                                                                    | Signature of ASSIGNOR                                                             | this _____<br>date of signing               |

EXAMPLES of the proper use of the foregoing information

\_\_\_\_\_  
I, \_\_\_\_\_, do hereby certify that the above person  
is the true and lawful owner of the above invention.

**NOTE:**

If the assignment is not notarized or legalized, the assignor must sign the assignment in the presence of a Notary Public or a Commissioner of Patents. If the assignment is notarized or legalized, the assignor must sign the assignment in the presence of the Notary Public or Commissioner of Patents.

1. Notarization or Legalization Page Added.

Notary Public in and for the State of

CHOUHARY

(Type name of assignor)

(✓)

Signature of ASSIGNOR

this (✓)

date of signing

Mohammad Ali Khan

(Type name of assignor)

(✓)

Signature of ASSIGNOR

this (✓)

date of signing

Rafiqul Alam

(Type name of assignor)

(✓)

Signature of ASSIGNOR

this (✓)

date of signing

Rafiqul Alam

(Type name of assignor)

(✓)

Signature of ASSIGNOR

this (✓)

date of signing

P-1-12-12

06.02.2012

(Type name of assignor)

Signature of ASSIGNOR

this

date of signing

If the assignor is a company, complete the following information:

Signature of the agent of the above person  
authorized to sign on behalf of ASSIGNOR

THE

NOTE

If the assignment is notarized or legalized  
by a Notary Public in and for the State of New York, the last page of the assignment is  
Page 3

[ ] Notarization or Legalization Page Added.

(Assignment of Invention - Multiple Inventors - page 3 of 3) 16-3.2